

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

ANRITSU

Anritsu MP2110A

The Anritsu MP2110A BERTWave combines BERT and sampling-scope eye analysis for high-speed optical/electrical interfaces. OEM product literature cites native support around 24.3 to 28.2 Gbit/s with options for 9.5 to 14.2 Gbit/s class rates. Optical module production test, 25/28G class SERDES characterization, and simultaneous BER plus eye measurements. Integrated BERT and eye/waveform analysis Optical and electrical interface testing class Software: Anritsu BERTWave control applications Companion Accessories: optical attenuators sensors as needed Notes Class: verify installed options on unit for exact rate set Rate-class rows from Anritsu MP2110A BERTWave product literature. Expand full sampling-scope and ED accuracy tables from the complete OEM datasheet PDF before upload if denser rows are required.



MODEL

Anritsu MP2110A

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

MP2110A

LISTING

<https://aumictechlabs.com/products/mp2110a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Anritsu MP2110A BERTWave is an integrated optical test platform combining up to 4-channel Bit Error Rate Tester (BERT) and up to 4-channel sampling oscilloscope in a single instrument. Designed for efficient evaluation and production inspection of optical modules from 10G to 1.6T, it eliminates the need for separate test equipment, reducing capital expenditure and measurement time in high-volume manufacturing environments. The system features an integrated PC for

measurement processing and supports simultaneous transmitter/receiver characterization of optical modules. Technical Specifications BERT Performance Operating frequency: 24.3 Gbit/s to 28.2 Gbit/s (standard); 9.5 Gbit/s to 14.2 Gbit/s (optional) PPG jitter: 600 fs rms (typical) Error detector sensitivity: 25 mV (typical) Sampling Oscilloscope Performance Electrical bandwidth: 40 GHz Optical bandwidth (SMF): 35 GHz (typical) Optical bandwidth (MMF): 25 GHz (typical) Sampling speed: Up to 250,000 samples per second (two channels simultaneous) Optical sensitivity (SMF): -15 dBm (typical) Optical noise (SMF): 3.4 μ W (typical) Intrinsic jitter: 200 fs rms (typical, with high-accuracy trigger option) Eye diagram capture: 1 million samples of 25 Gbaud signals in approximately 5 seconds Signal Analysis NRZ/PAM4 analysis with TDECQ support PAM4 signal analysis up to 53-Gbaud Built-in clock recovery unit (CRU) for NRZ and PAM4: 26/53 Gbaud NRZ jitter component analysis Automated mask margin testing Key Features Dual-function architecture reduces test setup complexity and footprint High sampling rate delivers eye diagram analysis 65% faster than conventional instruments 25 mV error detector sensitivity enables BER measurements on attenuated signals Internal PC eliminates external controller dependency Supports 100 GbE, OTU4, and proprietary optical standards Typical Applications Optical module R&D characterization Production acceptance testing Transmitter and receiver performance validation Eye pattern and mask margin compliance verification

MP2110A Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	BERTWave analyzer
Series Family	Anritsu BERTWave MP2110A
Native Bit Rate Class	24.3 Gbit/s to 28.2 Gbit/s
Measurement Roles	bit error rate and eye pattern analysis
Application Class	optical module and high speed interface test
Architecture	combined PPG/ED and sampling scope functions
Family Peer	MP2100B BERTWave
Target Standards Class	25G/28G class modules and SERDES
Test Modes	BER and eye in one instrument class
Use Stage	R&D and manufacturing
Interface Domains	optical and electrical class
Automation	remote control for production
Form Factor	bench/system BERTWave mainframe
Analysis	eye mask and BER statistics class
Multi Channel Class	configuration dependent options
Clocking	instrument generated and recovered clock class
Patterning	PRBS and programmed patterns class
Sensitivity Class	high sensitivity ED path for module Rx test
Display	eye and BER results together
Calibration	OEM recommended periodic calibration
Software	Anritsu BERTWave control applications
Upgrade Path	rate and feature options
Companion Accessories	optical attenuators sensors as needed

MP2110A Specifications

PARAMETER	VALUE
Anritsu MP2110A BERTWave Analyzer	Overview
Applications	Optical module production test, 25/28G class SERDES characterization, and simultaneous BER plus eye measurements.
Technical Specifications	Instrument Type: BERTWave analyzer

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
Specifications	
PARAMETER	VALUE
Instrument Type	BERTWave analyzer
Series Family	Anritsu BERTWave MP2110A
Native Bit Rate Class	24.3 Gbit/s to 28.2 Gbit/s
Optional Bit Rate Class: 9.5 Gbit/s to 14.2 Gbit/s	
Specifications	
PARAMETER	VALUE
Measurement Roles	bit error rate and eye pattern analysis
Application Class	optical module and high speed interface test
Architecture	combined PPG/ED and sampling scope functions
Family Peer	MP2100B BERTWave
Target Standards Class	25G/28G class modules and SERDES
Test Modes	BER and eye in one instrument class
Use Stage	R&D and manufacturing
Interface Domains	optical and electrical class
Automation	remote control for production
Form Factor	bench/system BERTWave mainframe
Analysis	eye mask and BER statistics class
Multi Channel Class	configuration dependent options
Clocking	instrument generated and recovered clock class
Patterning	PRBS and programmed patterns class
Sensitivity Class	high sensitivity ED path for module Rx test
Display	eye and BER results together
Calibration	OEM recommended periodic calibration
Software	Anritsu BERTWave control applications
Upgrade Path	rate and feature options

PARAMETER	VALUE
-----------	-------

Companion Accessories	optical attenuators sensors as needed
-----------------------	---------------------------------------

Notes Class: verify installed options on unit for exact rate set

Notes

Rate-class rows from Anritsu MP2110A BERTWave product literature. Expand full sampling-scope and ED accuracy tables from the complete OEM datasheet PDF before upload if denser rows are required.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 14, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.